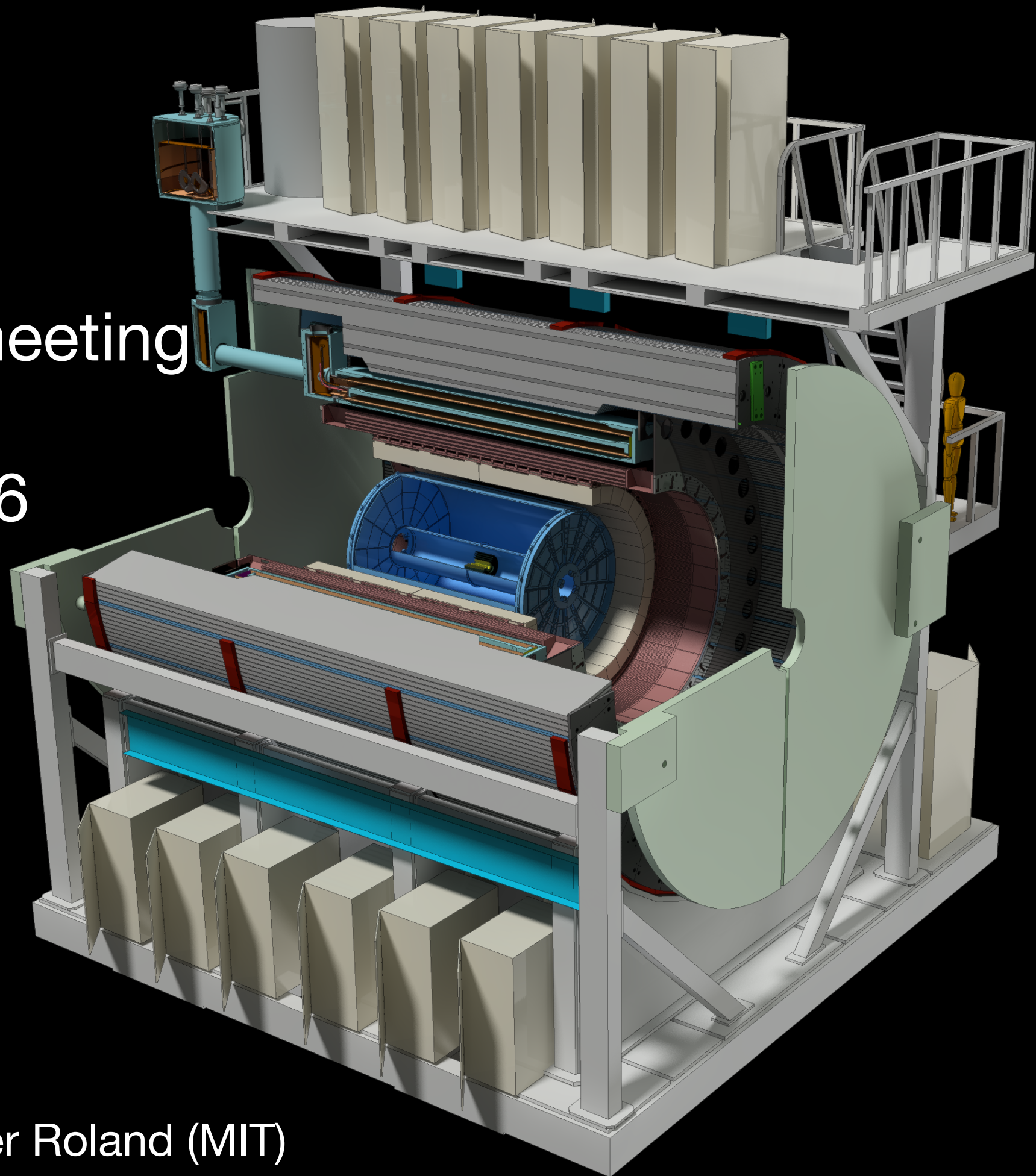


sPHENIX general meeting
Collaboration news
September 30, 2016



Dave Morrison (BNL), Gunther Roland (MIT)




**KEEP
CALM
AND
VOLUNTEER**

(to take minutes for today's meeting)

Plan for today

Friday, 30 September 2016

| | | |
|---------------|--|---|
| 12:00 - 12:30 | sPHENIX News 30' Speakers: Dr. David Morrison (BNL), Prof. Gunther Roland (MIT) Material: Slides  |  |
| 12:30 - 12:50 | sPHENIX Project News 20' Speakers: Edward O'Brien (BNL), John Haggerty (Brookhaven National Laboratory) |  |
| 12:50 - 13:05 | MAPS update 15' Speaker: Dr. Ming Liu (Los Alamos) Material: Slides  |  |
| 13:05 - 13:15 | Announcement for tracking-focused simulation/software meeting 10' Speaker: Dr. Jin Huang (Brookhaven National Lab) |  |

Upcoming events

- MIT workshop, October 28-29, <https://indico.cern.ch/event/558954/>
- 3rd sPHENIX Collaboration meeting, December 15-17, 2016 at GSU
- <https://indico.bnl.gov/conferenceDisplay.py?confId=2327>
- **Please register as soon as possible to help with planning!**

QM abstracts

- Submission deadline is tomorrow, October 1
- Abstracts can be found at: <https://paper.dropbox.com/doc/sPHENIX-QM-Abstracts-UUQ9E2xB4CUB9Hk1hkyBt>
 - Please make sure your abstract is there and confirm version!
- Proposal is to submit 4 talks and numerous posters:
 - Talks: sPHENIX overview, calorimeter+testbeam, tracker+simulations, INTT
- Following other collaborations, talks to be submitted “centrally” w/o speaker names; rearrange/nominate depending on eventual selection (hoping for support from sPHENIX IAC members)
- Should we submit posters centrally as well? With “Primary author” names?

Recent discussions with ALD

- (9/21) ALD expressed positive view on sPHENIX progress, recent reviews and prospects for CD-0 soon
 - confirmed by 2nd hand reports
 - ALD reports similar sentiment from recent discussions with DOE
 - Preparing BNL news article on “imminent” sPHENIX CD-0
- (9/26) Discussion of collaboration feedback for baseline scope approach - see next slides

Baseline scope-II document

- ALD asked Ed in early September to provide 10-20 page document with a baseline that fits in \$30-35M (AY\$) funded via redirected RHIC ops – describe cost and scientific reach of that baseline detector in preparation for late Sep meeting with DOE
- First sPHENIX discussion at GM on 9/16
- Approach discussed in EC meeting on 9/22 - see next slide
- Document delivered to ALD on 9/28
- Visit to DOE by ALD and project director on 9/29

Baseline scope-II approach

- Defines sPHENIX MIE:
 - TPC, 90% of EMCAL (no ganging), iHCAL, oHCAL, DAQ/Trigger
 - 10% EMCAL “management challenge”
 - 2 parallel projects: MAPS, INTT
 - INTT through RIKEN/RBRC
 - MAPS through separate DOE proposal from non-BNL national lab(s)
- Discussion at EC meeting
 - Only viable strategy to fund essentially full scope from known sources
 - Loss of HF program and risk to physics performance and collaboration structure if MAPS proposal not funded

Baseline-scope II, further discussion with ALD

- Stressed risk to physics performance (other than HF) and collaboration structure if MAPS proposal not successful
- Stressed schedule constraints for MAPS production (ALICE pipeline)
- Discussed MAPS proposal approach - who approaches DOE? MAPS proponents (LANL + (LBL?) + MIT + others) in coordination with BNL
- Time is of the essence, for DOE proposal and for BNL(?)/DOE MoU with CERN for MAPS+GEMs
- ALD acknowledged all these points
- ALD stressed that this is not yet the “official” baseline for CD process